

Ben Pence

CONTACT INFORMATION

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EDUCATION

The George Washington University
Washington, DC
Bachelor of Science in Computer Science, GPA 3.70

2007 – 2011

PROFESSIONAL EXPERIENCE

Space and Naval Warfare Systems Command (SPAWAR: Systems Center Atlantic)
Charleston, South Carolina
Computer Scientist

June – August 2010

- Performed Certification, Testing, & Evaluation on Cross Domain Solutions, both in a technical and policy-driven regard, resulting in the evaluation of two enterprise softwares.

Information Resources Management College at National Defense University
Washington, DC

Research Assistant

May 2008 – August 2009

- Set up and implemented educational labs to simulate threats to Federal Enterprise networks with technologies such as VoIP, Wireless, Web, Digital Forensics, Biometrics, Mail, IDS.
- Maintained network infrastructure consisting of multiple servers (Windows, Mac, and Linux), client workstations, and network hardware.
- Supported faculty during the presentation of labs to management students from Federal Agencies and to VIP guests.

I-Group: Mayagauana Group

Boston, Massachusetts

Interactive Media Designer

June – August 2007

- Created web content in Adobe Flash, culminating in a corporate website introduction and interactive map tool.

ACADEMIC PROJECTS

Senior Design Project: Free Internet July 2010 – April 2011

- Using the `twisted` networking framework, `sqlite`/ORM, Linux's `tc` traffic shaping tool, `js/jQuery`, and `openvpn`, implemented a distributed computing system that allocates Internet bandwidth to clients proportional to the amount of computation the clients complete for the system.

Linux Kernel Module

Fall 2009

- Using C and CentOS, worked in a team to implement a Linux Kernel Module to save the state of a filesystem and later, revert changes.

Firefox Extension

Fall 2009

- Using Javascript, C++, and knowledge of the Mozilla Platform, worked in a team to implement a Firefox extension that allows users to tag browser tabs and automatically tag related tabs.

University Website

Spring 2009

- Using PHP and MySQL, worked in a team to implement an interactive website (mock) that allows prospective students to apply to a University, current students to enroll in courses, faculty to set grades, and students to apply for graduation.

SIDE PROJECTS

Anonymizing Anti-SPAM Tool (dontspamme.benpence.com) Started June 2011

- Using Google App Engine as an anonymous remailer, allows Google users to control the propagation of their email identity by associating a unique email pseudonym with every contact.
- Flags SPAM when strangers contact a user's email pseudonym for which they are not associated.

RECENT HONORS AND AWARDS

GWU-Information Assurance Scholarship for Service Program

2009 – 2011

Collegiate Cyber Defense Competition Qualifying Round Winner

Fall 2009, 2011

SKILLS

Languages: python · c · java · SQL

Ltd. Programming: scheme · ruby · PHP · javascript · bash · HTML · haskell · c++ · obj-c

Softwares: linux/solaris · mac OS X · windows · vim · git

Concepts: OOP · sockets · OS · VMS · PKI · MVC architecture · googling